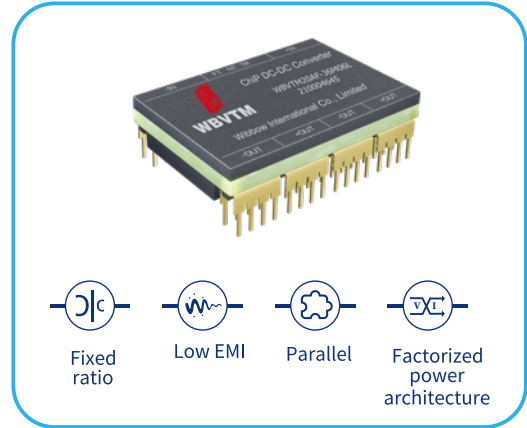




WBVTM36F Series ChiP DC-DC Converter

Features

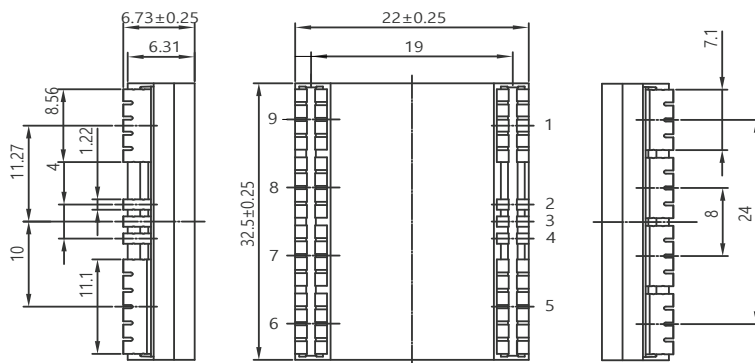
- Isolated fixed voltage ratio
- High volume power density: 557W/in3
- High weight power density: 10.9 W/g
- Weight: only 16 g
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion
- Cascading JPRM factorized power architecture
- Operating temperature: -55°C~100°C
- FULL CHIP package: 32.5 x22.0x6.73 mm
- Comply with the General Specification for Microcircuit Modules (SJ20668)



Product specification

Product series	Input voltage range	Output voltage range	Conversion ratio	Output current	Output power	Efficiency	Development progress
WBVTM40AF-36M03L	26~50V	3V	12:1	40A	120W	94.0%	In development
WBVTM27AF-36M4V5L	26~50V	4.5V	8:1	27A	120W	94.7%	In development
WBVTM20AF-36M06L	26~50V	6V	6:1	20A	120W	95.0%	Available
WBVTM13AF-36M09L	26~50V	9V	4:1	13A	120W	95.3%	In development
WBVTM10AF-36M12L	26~50V	12V	3:1	10A	120W	94.9%	In development
WBVTM07AF-36M18L	26~50V	18V	2:1	7A	120W	94.0%	In development
WBVTM05AF-36M24L	26~50V	24V	3:2	5A	120W	96.0%	Available
WBVTM03AF-36M36L	36~50V	36V	1:1	3A	120W	95.0%	In development

Shape & Size



Pin No.	Label	Function
1	+IN	Positive input power terminal
2	TM	Temperature measurement terminal
3	VC	Modular control
4	PC	Primary side control
5	-IN	Negative input power terminal
6	-OUT	Negative output power terminal
7	+OUT	Positive output power terminal
8	-OUT	Negative output power terminal
9	+OUT	Positive output power terminal

Part Numbering

WB	VTM	40A	F	-	36	M	48	L
Brand Name	Series name	Output	Package Type	-	Input voltage range	Temperature Grade	Output voltage range	Pin Type
Wibbow	Isolated unregulated microchip series	40A: 40A 27A: 27A 20A: 20A 13A: 13A 10A: 10A 07A: 7A 05A: 5A 03A: 3A	F: FULL CHIP	-	36: 36~50V	M: Tc: -55~100°C Ts: -65~100°C H: Tc: -40~100°C Ts: -55~100°C T: Tc: -40~100°C Ts: -40~100°C	03: 3V 4V5: 4.5V 06: 6V 09: 9V 12: 12V 18: 18V 24: 24V 36: 36V	L: Surface Mount Technology (SMT) T: Through hole